

SYNTHO-GLASS® XT

14" OD INJECTION LINE REINFORCEMENT & REPAIR

CANADA, MARCH 2009



Problem

A 14" OD high pressure water injection line has external corrosion on girth welds due to corrosion under shrink sleeves.

Conditions

Removal of the shrink sleeves revealed external corrosion ranging from 20% to 50% wall loss.

Solution

After sufficient surface preparation, Syntho-Steel™ epoxy mastic was applied to the corroded area. The pipe was then protected with the calculated number of layers of Syntho-Glass®XT. This solution brings the HPI line pressure capability back to that of a pristine pipe.

Result

Thirty joints were ultimately repaired, then subsequently pressure tested with no failure. Normal operations resumed at 2,300 psi (158 bar).

